

Aron Teh

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📁 Professional Experience

Amazon

Nov 2022 – present

Software Engineer, Prime Video

London, United Kingdom

- Extended **React** and **TypeScript** component logic in the Prime Video Living Room application to support right-to-left layout and text. Successful delivery of the multi-team, time-constrained project facilitated a Prime Video launch in **8** new countries, increasing Prime subscription rates in launch regions by **11.52%**.
- Migrated application from a legacy, chaotic metrics reporting tool to a structured, predictable platform.
- Confidently communicated and resolved customer-impacting high severity **on-call incidents**, using **AWS CloudWatch** and an **Elasticsearch**-powered platform to isolate and roll back problematic deployments.
- Onboarded **2** new engineers during eighth week of tenure, in absence of experienced team members.

THG

Sep 2021 – Oct 2022 | United Kingdom

Software Engineer

- Refactored an external customer-facing content management system into **30+** robust and reusable **Angular (TypeScript)** components. Facilitated component library onboarding for multiple internal teams.
- Collaborated with UX designers to develop complex **Angular user interfaces**, used by **100** external clients.
- Developed and maintained a **GraphQL API** utilising **Java**, **Gradle** and **Spring backend** technologies.
- Spearheaded engineering excellence by creating and taking ownership of entire team's **documentation**.
- Exceeded company expectations throughout all quarterly performance reviews.

🔧 Notable Technical Projects

SkyStory

- Dynamically themed, responsive progressive web application (**PWA**) where users query live and forecast weather information, utilising a third-party **REST API** service. Built with **Angular**, **Material** and **Tailwind**.
- Integrated **Firebase authentication** and **Firestore NoSQL database** saves queries for authenticated users.

NanoNote

- Lightweight and responsive **Angular** application for sticky notes, secured with **Firebase authentication**.
- Users can create, manage, update, sort and categorise unlimited notes in an intuitive, minimalistic UI.

TurboFile


- Responsive and multi-themed **React** application where users can upload and share files within seconds.
- Additional features to view, download and manage files are unlocked for users authenticated with Google.

🎓 Education

Imperial College London

2017 – 2021 | London, United Kingdom

MEng Aeronautical Engineering, 2:1 (69.6%)

- Master's Thesis  : Explored a **Python** implementation and solution to the sparse conic optimisation problem, using the Alternating Direction Method of Multipliers.
- Key Modules: **High Performance Computing**, Mathematics, Numerical Analysis, Optimisation, Finance.


{ } Technical Skills

HTML, CSS, JavaScript, TypeScript, Python, Database (SQL, NoSQL), Java, C++, React, Next.js (v13), Angular, Firebase (v9), Git, Tailwind, npm, Yarn, Jest, Cypress, REST, webpack, Testing (Unit, E2E), Axios, RxJS, AWS, Bash, Scrum, Flask, Continuous Integration, Continuous Deployment, Docker, Kubernetes, GraphQL, Vercel.

🌐 Languages

English (Native) | Chinese (Advanced) | Spanish (Beginner) | Cantonese (Beginner)

🎲 Interests

Chess  (Youngest Malaysia National Chess Champion (2013); FIDE Master (International Title); World Chess Olympiad Participant (Norway 2014); President of Imperial College London Chess Club, led team to win 1st place in every competition, most club members in recent history (2018-2019); Private Teacher)

Quantitative Finance | **Machine Learning**  | **Sports** (Swimming, Table Tennis, Badminton) | **Music**